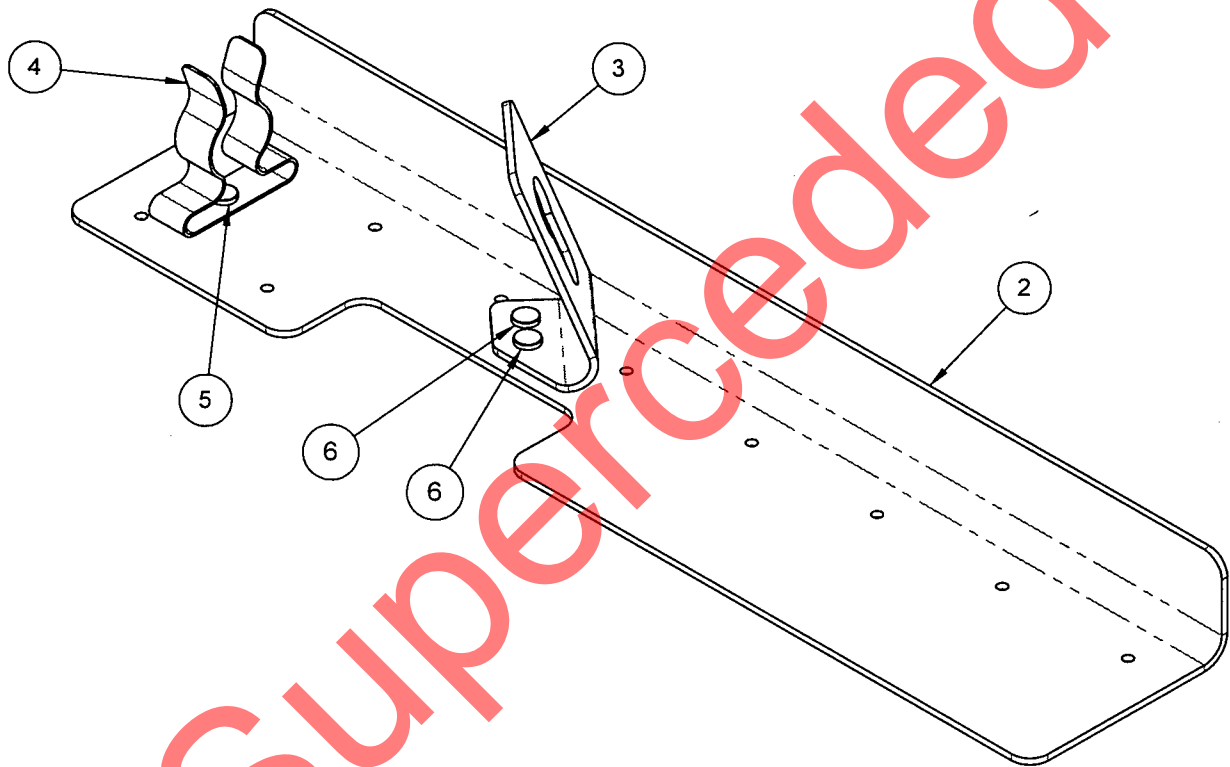


ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4004-041	SIDE RESTRAINT ANGLE	JCA-M47-2-19
2	1	D4004-1	SIDE RESTRAINT	
3	1	D4004-3	STRUT LOCK BRACKET	
4	1	D4004-7	HOSE CLIP	
5	1	MS20426AD4-4	RIVET	
6	2	MS20426AD4-5	RIVET	



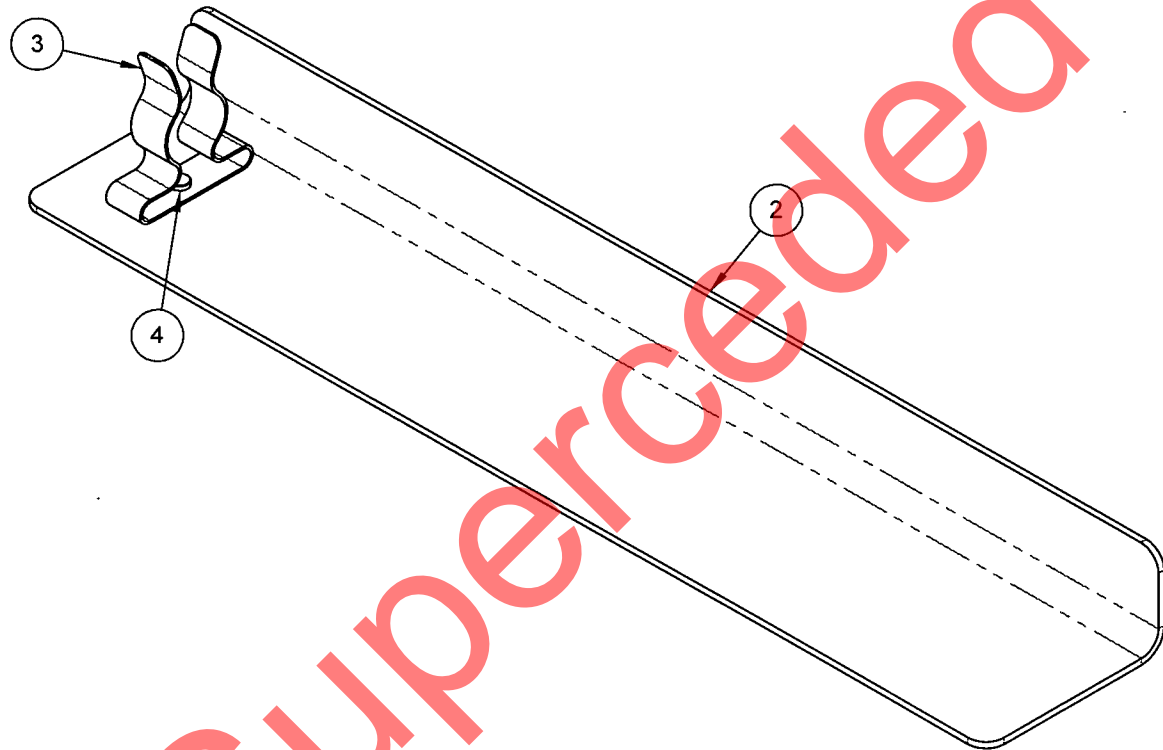
D4004-041 SIDE RESTRAINT ANGLE

RELEASED  
2010-05-05  
*MP*

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4004-041" AND B/N USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 0.21 lbs

A	NEW ISSUE	BY	10.02.10
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	D4004	SHEET 1 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SIDE RESTRAINT	NTS
DATE	10.02.10	COPYRIGHT © 2010 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

ITEM NO.	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4004-043	SIDE RESTRAINT ANGLE AND TIE DOWN POINT	JCA-M47-2-04
2	1	D4004-9	ANGLE	
3	1	D4004-7	HOSE CLIP	
4	1	MS20426AD4	RIVET	



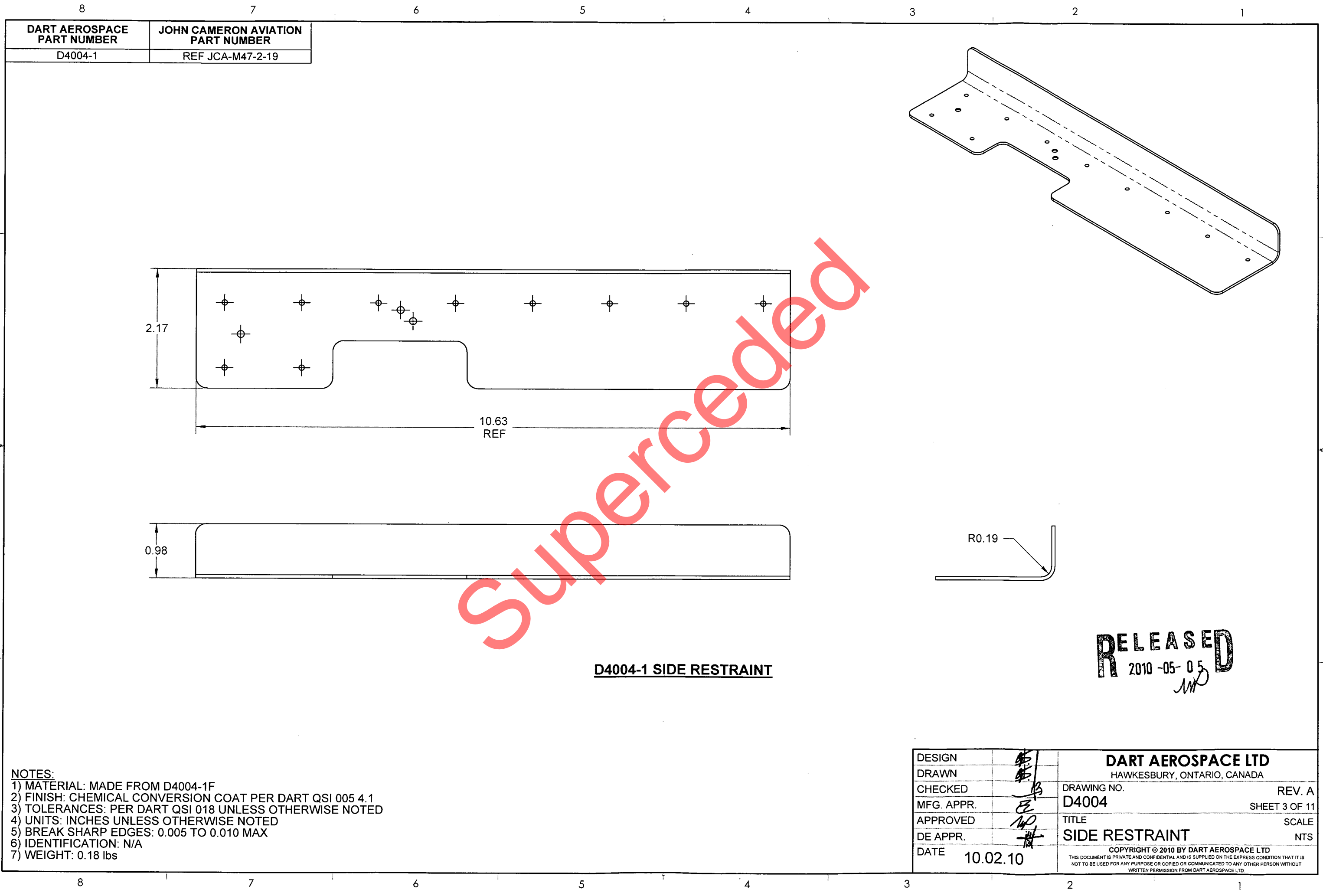
**D4004-043 SIDE RESTRAINT ANGLE AND TIE DOWN POINT**

**RELEASED**  
2010-05-05  
*MD*

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4004-043" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.20 lbs

DESIGN	<i>JS</i>	<b>DART AEROSPACE LTD</b>
DRAWN	<i>JS</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>JS</i>	DRAWING NO. <b>D4004</b> REV. A
MFG. APPR.	<i>JS</i>	SHEET 2 OF 11
APPROVED	<i>MD</i>	TITLE <b>SIDE RESTRAINT</b> SCALE NTS
DE APPR.	<i>MD</i>	
DATE	10.02.10	
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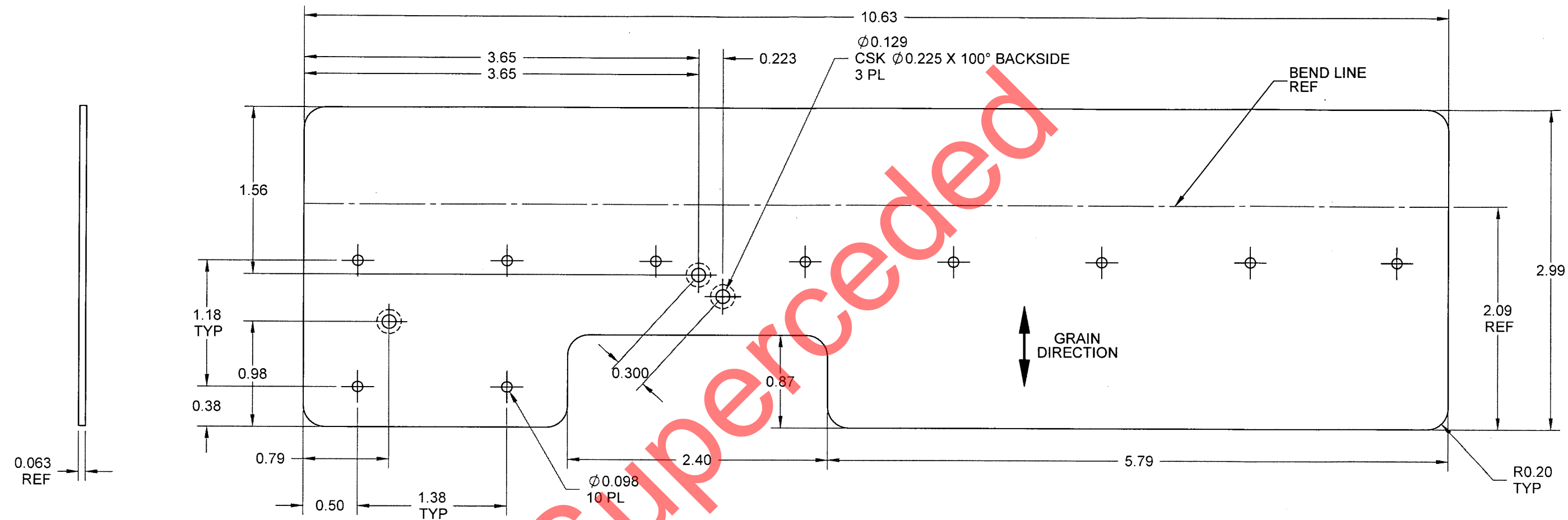
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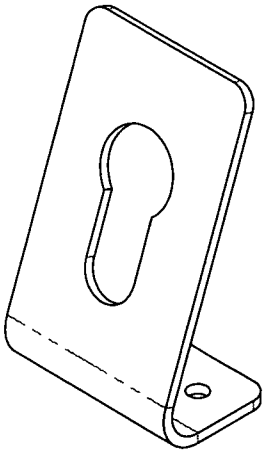
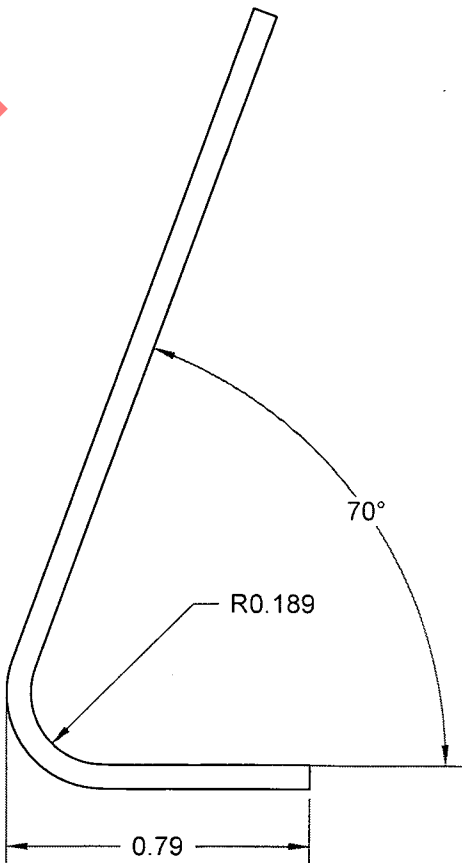
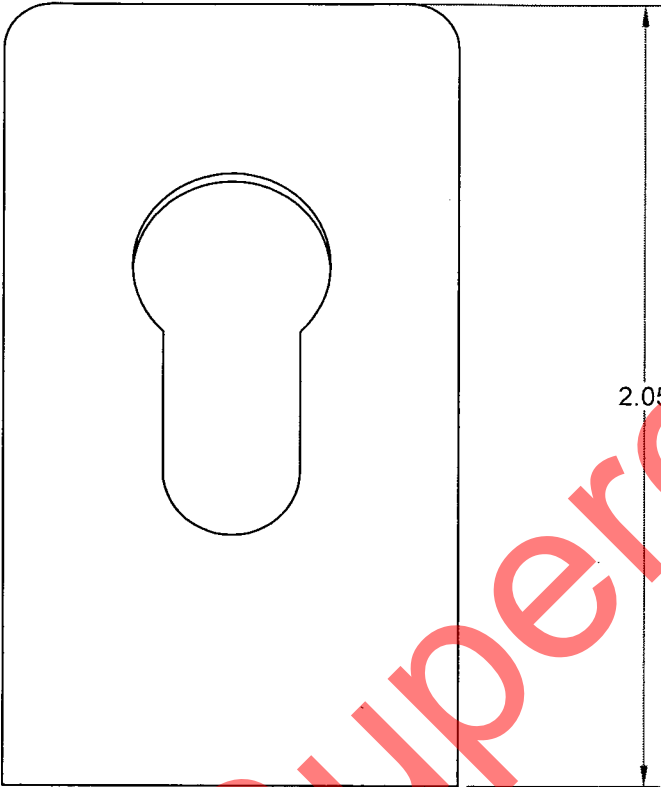
**D4004-1F FLAT PATTERN**

**RELEASED**  
2010-05-05  
*MD*

- NOTES:**
- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.063 THICK  
PER QQ-A-250/4 OR AMS-QQ-A-250/4  
OR AMS 4037 OR ASTM B209  
REF DART SPEC M2024T3S.063
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 0.18 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4004	SHEET 4 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SIDE RESTRAINT	NTS
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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4004-3	REF JCA-M47-2-19



**D4004-3 STRUT LOCK BRACKET**

**RELEASED**  
 2010-05-05  
*MS*

- NOTES:**
- 1) MATERIAL: MADE FROM D4004-3F
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 0.02 lbs

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	<b>D4004</b>	SHEET 5 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>SIDE RESTRAINT</b>	NTS
DATE	10.02.10	COPYRIGHT © 2010 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

8 7 6 5 4 3 2 1



2.78

0.75 REF

0.27

0.27

300

0.129 2 PL

R0.18

GRAIN DIRECTION







R0.13 TYP

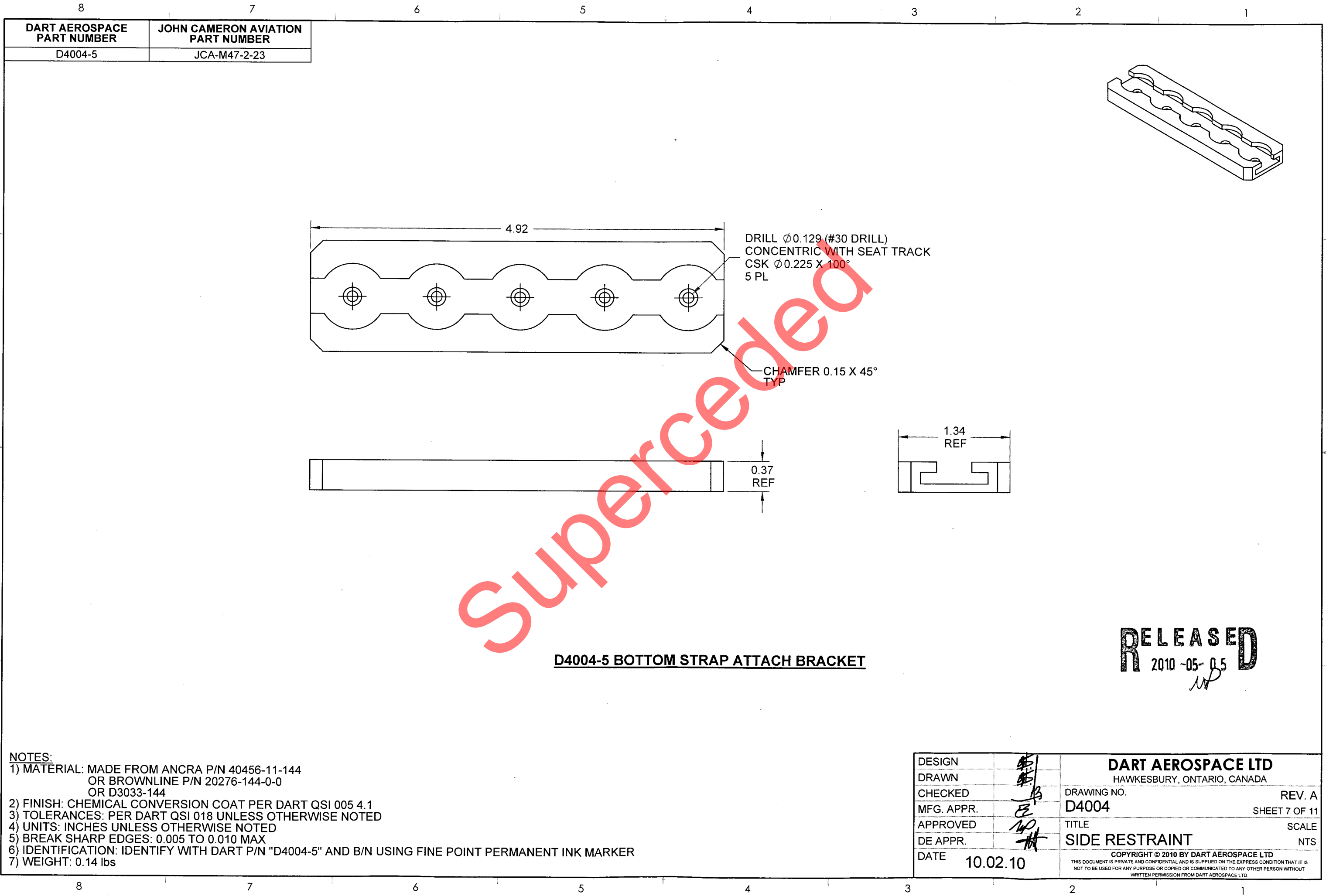
0.57

**D4004-3F FLAT PATTERN**

RELEASED  
2010-05-05  
ms

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.063 THICK  
PER QQ-A-250/4 OR AMS-QQ-A-250/4  
OR AMS 4037 OR ASTM B209  
REF DART SPEC M2024T3S.063
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs




DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4004	SHEET 6 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SIDE RESTRAINT	NTS
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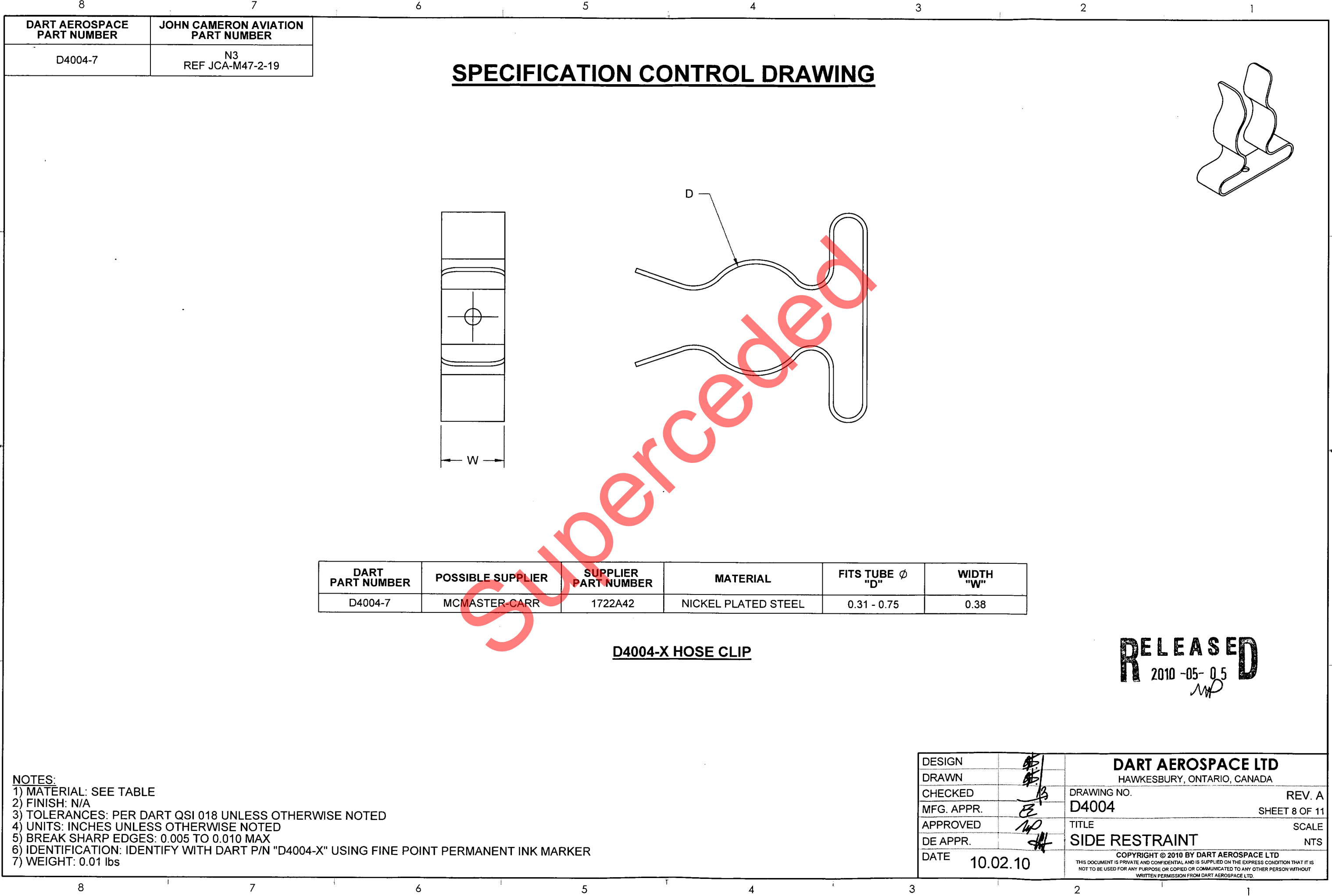
D4004-5 BOTTOM STRAP ATTACH BRACKET

RELEASED  
2010-05-05

- NOTES:
- 1) MATERIAL: MADE FROM ANCRA P/N 40456-11-144 OR BROWNLIN P/N 20276-144-0-0 OR D3033-144
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4004-5" AND B/N USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 0.14 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4004	SHEET 7 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SIDE RESTRAINT	NTS
DATE		COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4004-7	N3 REF JCA-M47-2-19

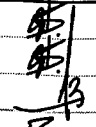

SPECIFICATION CONTROL DRAWING

DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	FITS TUBE $\phi$ "D"	WIDTH "W"
D4004-7	MCMMASTER-CARR	1722A42	NICKEL PLATED STEEL	0.31 - 0.75	0.38

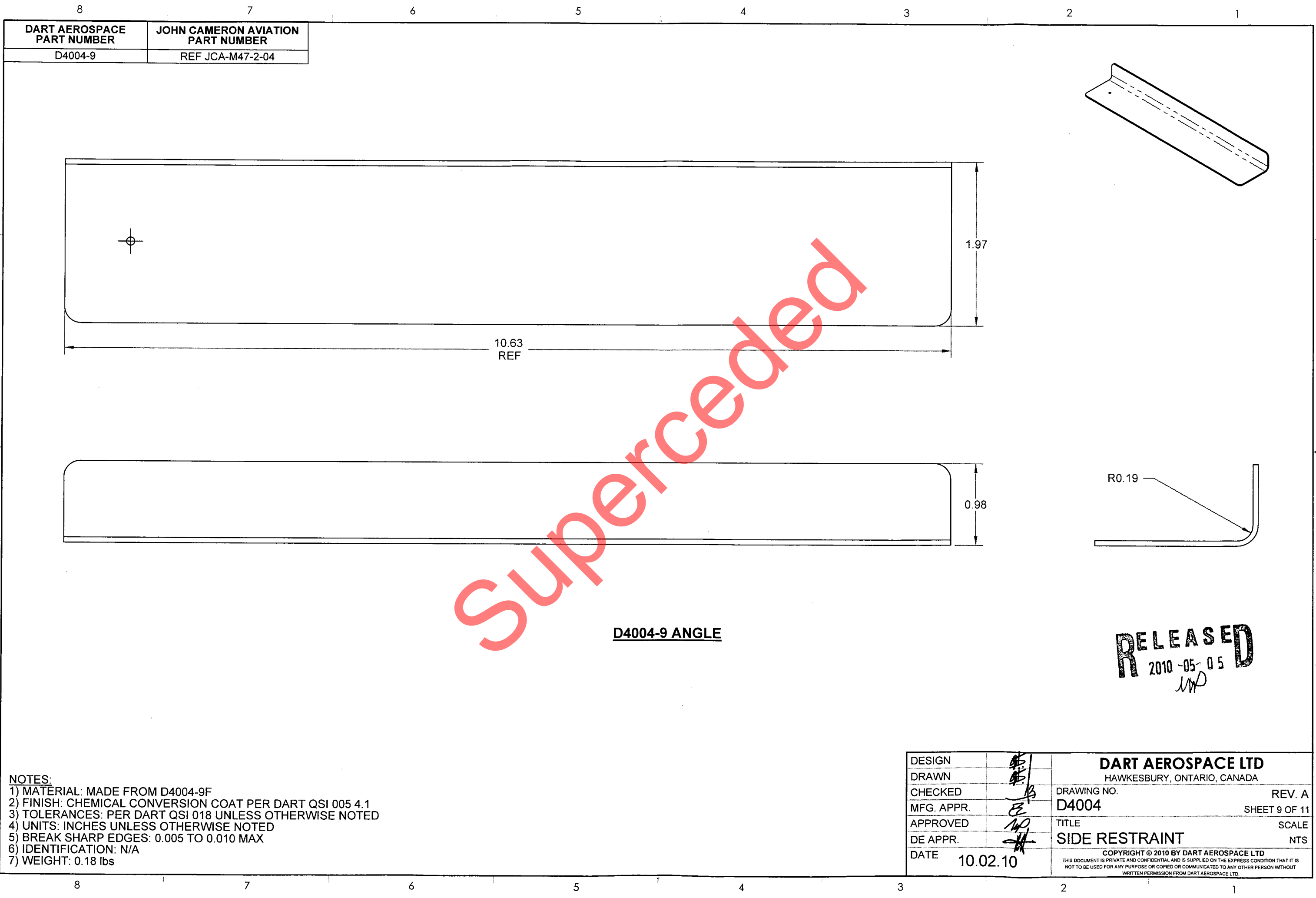
D4004-X HOSE CLIP

RELEASED  
2010-05-05  
MD

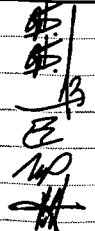
- NOTES:
- 1) MATERIAL: SEE TABLE
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4004-X" USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 0.01 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4004	SHEET 8 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SIDE RESTRAINT	NTS
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NOTES:  
1) MATERIAL: MADE FROM D4004-9F  
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: N/A  
7) WEIGHT: 0.18 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4004	SHEET 9 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SIDE RESTRAINT	NTS
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C

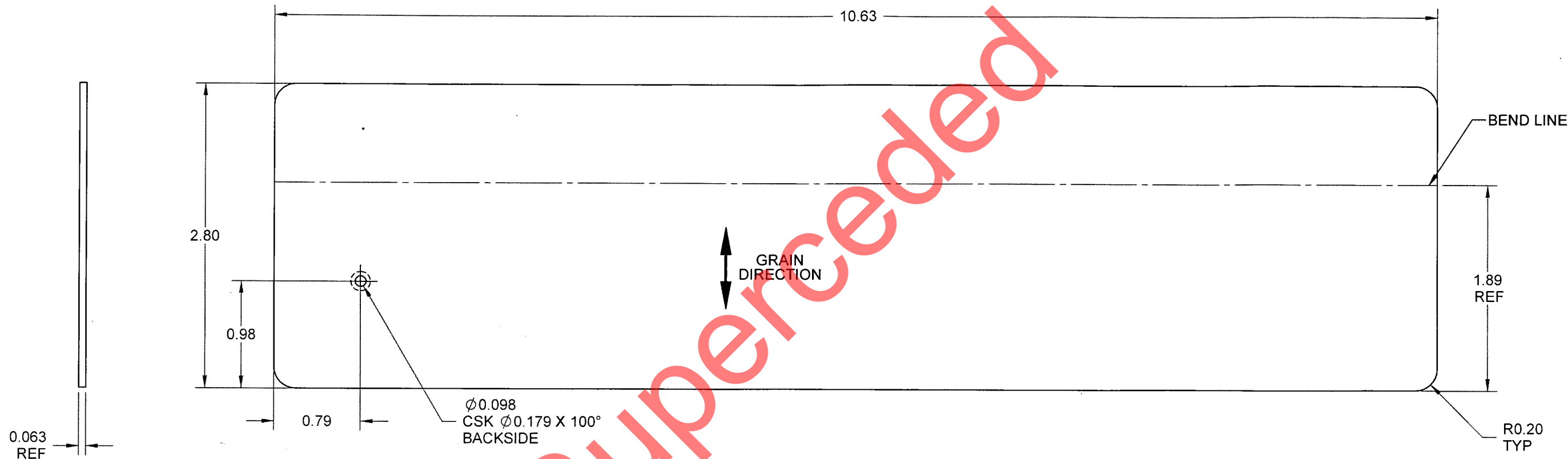
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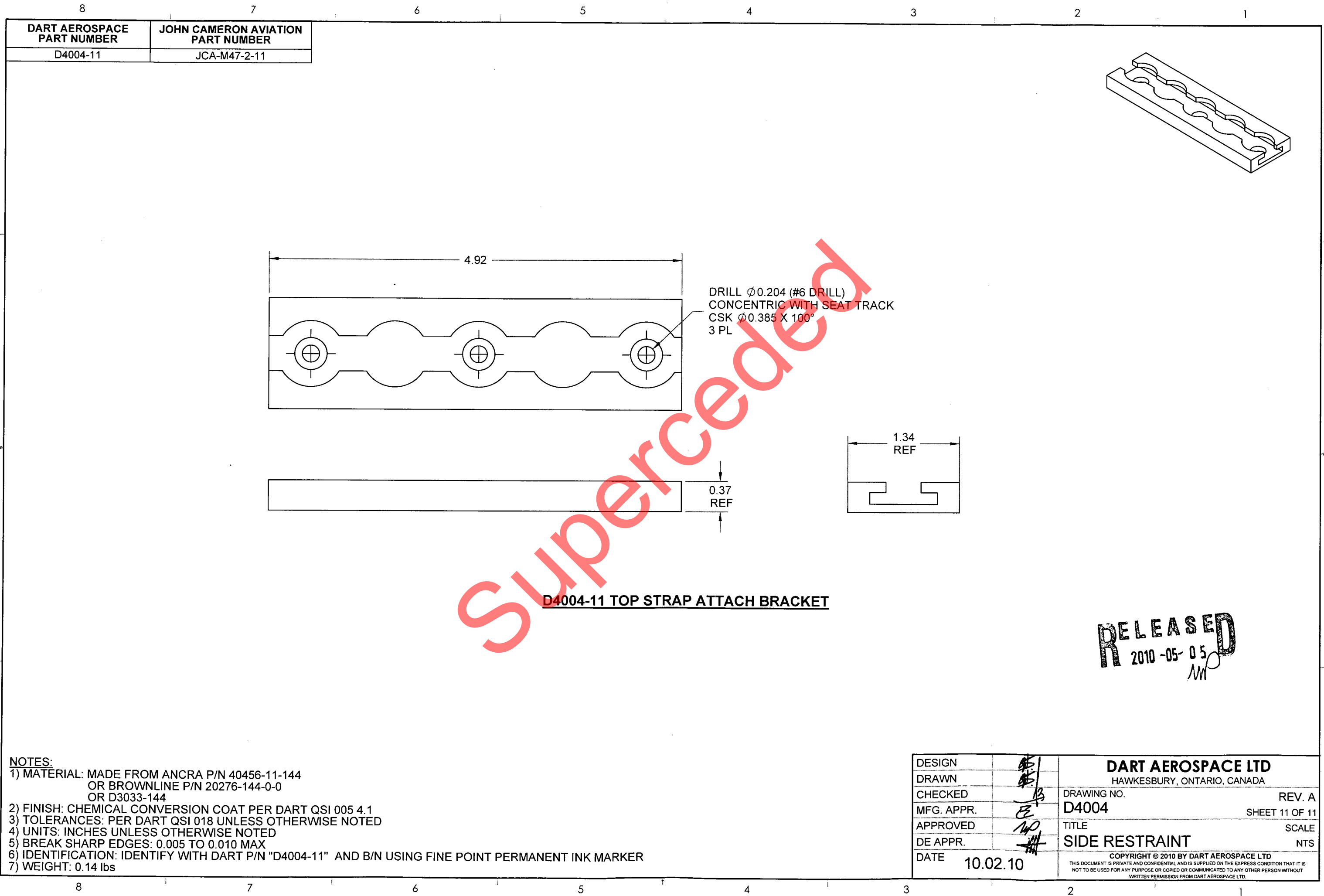
**D4004-9F FLAT PATTERN**

RELEASED  
2010-05-05  
MD

**NOTES:**

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.063 THICK  
PER QQ-A-250/4 OR AMS-QQ-A-250/4  
OR AMS 4037 OR ASTM B209  
REF DART SPEC M2024T3S.063
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.18 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4004	SHEET 10 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SIDE RESTRAINT	NTS
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NOTES:  
1) MATERIAL: MADE FROM ANCRA P/N 40456-11-144  
OR BROWNLIN P/N 20276-144-0-0  
OR D3033-144  
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4004-11" AND B/N USING FINE POINT PERMANENT INK MARKER  
7) WEIGHT: 0.14 lbs